



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



FEB 01 2012

Mr. Richard Scholl  
Macpherson Oil Company  
P.O. Box 5368  
Bakersfield, CA 93388

**Re: Final - Authority to Construct / Certificate of Conformity (Minor Mod)  
Project # S-1114571**

Dear Mr. Scholl:

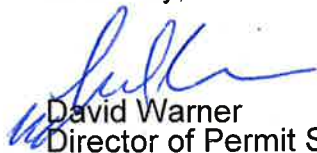
The Air Pollution Control Officer has issued Authorities to Construct (S-1703-139-10, '-205-0, '-206-0, and '-207-0) with Certificates of Conformity to Macpherson Oil Company. Macpherson Oil Company proposed to install a crude oil stock tank, slop oil storage tank, and oil depurator all connected to existing vapor control.

Enclosed are the Authorities to Construct and invoice. The application and proposal were sent to US EPA Region IX on January 12, 2012. No comments were received following the District's preliminary decision on this project.

Prior to operating with modifications authorized by the Authority to Construct, you must submit an application to modify the Title V permit as an administrative amendment in accordance with District Rule 2520, Section 11.5.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,

  
David Warner  
Director of Permit Services

Enclosures  
ktr

Seyed Sadredin  
Executive Director/Air Pollution Control Officer

**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

**Central Region (Main Office)**  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-6000 FAX: (559) 230-6061

**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



FEB 01 2012

Gerardo C. Rios, Chief  
Permits Office  
Air Division  
U.S. EPA - Region IX  
75 Hawthorne St  
San Francisco, CA 94105

**Re: Final - Authority to Construct / Certificate of Conformity (Minor Mod)  
Project # S-1114571**

Dear Mr. Rios:

The Air Pollution Control Officer has issued Authorities to Construct (S-1703-139-10, '-205-0, '-206-0, and '-207-0) with Certificates of Conformity to Macpherson Oil Company. Macpherson Oil Company proposed to install a crude oil stock tank, slop oil storage tank, and oil depurator all connected to existing vapor control.

Enclosed are copies of the Authorities to Construct. The application and proposal were sent to US EPA Region IX on January 12, 2012. No comments were received following the District's preliminary decision on this project.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

Sincerely,

  
David Warner  
Director of Permit Services

Enclosures  
ktr

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Executive Director/Air Pollution Control Officer

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4800 Enterprise Way  
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Tel: 661-392-5500 FAX: 661-392-5585



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

Due Date

3/30/2012

Amount Due

\$ 2,457.50

Amount Enclosed

ATCFEE S1114571  
1703 S98678 1/30/2012

RETURN THIS TOP PORTION ONLY, WITH REMITTANCE TO:

MACPHERSON OIL COMPANY  
PO BOX 5368  
BAKERSFIELD, CA 93388

SJVAPCD  
34946 Flyover Court  
Bakersfield, CA 93308

*Thank You!*



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

SJVAPCD Tax ID: 77-0262563

MACPHERSON OIL COMPANY  
HEAVY OIL CENTRAL STATIONARY SOURCE  
CA

Facility ID

S1703

Invoice Date

1/30/2012

Invoice Number

S98678

Invoice Type

Project: S1114571

## PROJECT NUMBER: 1114571

APPLICATION FILING FEES	\$ 284.00
ENGINEERING TIME FEES	\$ 2,173.50
TOTAL FEES	\$ 2,457.50
LESS PREVIOUSLY PAID PROJECT FEES APPLIED TO THIS INVOICE	\$ 0.00
<b>PROJECT FEES DUE (Enclosed is a detailed statement outlining the fees for each item.)</b>	<b>\$ 2,457.50</b>

### Late Payment (see Rule 3010, Section 11.0 Late Fees)

Postmarked	Total Due
After 3/30/2012 through 4/9/2012	\$ 2,703.25
After 4/9/2012	\$ 3,686.25
After 4/29/2012	Permits To Operate MAY BE SUSPENDED

San Joaquin Valley Air Pollution Control District  
34946 Flyover Court, Bakersfield, CA 93308, (661) 392-5500, Fax (661) 392-5585

**Invoice Detail**

Facility ID: S1703

MACPHERSON OIL COMPANY  
HEAVY OIL CENTRAL STATIONARY SOURCE  
CA

Invoice Nbr: S98678  
Invoice Date: 1/30/2012  
Page: 1

**Application Filing Fees**

Project Nbr	Permit Number	Description	Application Fee
S1114571	S-1703-139-10	MODIFICATION OF 10,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK ID# 10RM105-U.S.L. LEASE WITH VAPOR CONTROL SYSTEM SERVING TANKS S-1703-139, '-140, '-170, '-171, AND '-191 VENTING TO TEOR SYSTEM LISTED ON '-143 OR TO STEAM GENERATORS S-1703-157, '-158, '-159, '-161, AND '-162 (U.S.L. LEASE); CONNECT PERMIT UNITS S-1703-205, '-206, & '-207 TO VAPOR CONTROL SYSTEM AND REMOVE REFERENCE TO PERMIT UNITS S-1703-140 AND '-191	\$ 71.00
S1114571	S-1703-205-0	1,000 BBL CRUDE OIL STOCK TANK SERVED BY VAPOR CONTROL SYSTEM LISTED ON S-1703-139 (U.S.L. LEASE)	\$ 71.00
S1114571	S-1703-206-0	500 BBL SLOP OIL STORAGE TANK SERVED BY VAPOR CONTROL SYSTEM LISTED ON S-1703-139 (U.S.L. LEASE)	\$ 71.00
S1114571	S-1703-207-0	906 BBL WEMCO DEPURATOR MODEL 120X 1+1 SERVED BY VAPOR CONTROL SYSTEM LISTED ON S-1703-139 (U.S.L. LEASE)	\$ 71.00
<b>Total Application Filing Fees:</b>			<b>\$ 284.00</b>

**Engineering Time Fees**

Project Nbr	Quantity	Rate	Description	Fee
S1114571	12.5 hours	\$ 147.00 /h	After-Hours Engineering Time(OverTime)	\$ 1,837.50
			Less Credit For Application Filing Fees	(\$ 284.00)
			After-Hours Engineering Time(OverTime) SubTotal	\$ 1,553.50
S1114571	6.2 hours	\$ 100.00 /h	Standard Engineering Time	\$ 620.00
<b>Total Engineering Time Fees:</b>				<b>\$ 2,173.50</b>

## San Joaquin Valley Air Pollution Control District

**Account Summary**

Facility ID: S1703

MACPHERSON OIL COMPANY  
HEAVY OIL CENTRAL STATIONARY SOURCE  
CA

Statement Date: 1/30/2012

Invoice Date	Invoice Number	Invoice Due Date	Description of Fees		Amount Due
01/09/2012	S98083	03/12/2012	Project: S1113747	Fees Invoiced	\$ 2,190.00
				Payments	<u>(\$ 71.00)</u>
				Balance Due	\$ 2,119.00
01/17/2012	S98185	03/19/2012	Title V Hourly Fees: 4th Quarter 2011		\$ 3,100.00
01/23/2012	S98309	03/26/2012	Project: S1114822	Fees Invoiced	\$ 1,138.00
				Payments	<u>(\$ 71.00)</u>
				Balance Due	\$ 1,067.00
01/26/2012	S98387	03/26/2012	Prorated Permit To Operate Fees		\$ 376.75
01/30/2012	S98678	03/30/2012	Project: S1114571		\$ 2,457.50
<b>Total Outstanding Balance:</b>					<b>\$ 9,120.25</b>

## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-1703-139-10

**ISSUANCE DATE:** 01/30/2012

**LEGAL OWNER OR OPERATOR:** MACPHERSON OIL COMPANY

**MAILING ADDRESS:** PO BOX 5368  
BAKERSFIELD, CA 93388

**LOCATION:** HEAVY OIL CENTRAL STATIONARY SOURCE  
CA

**SECTION:** NW20 **TOWNSHIP:** 28S **RANGE:** 29E

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 10,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK ID# 10RM105-U.S.L. LEASE WITH VAPOR CONTROL SYSTEM SERVING TANKS S-1703-139, '-140, '-170, '-171, AND '-191 VENTING TO TEOR SYSTEM LISTED ON '-143 OR TO STEAM GENERATORS S-1703-157, '-158, '-159, '-161, AND '-162 (U.S.L. LEASE): CONNECT PERMIT UNITS S-1703-205, '-206, & '-207 TO VAPOR CONTROL SYSTEM AND REMOVE REFERENCE TO PERMIT UNITS S-1703-140 AND '-191

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. The tank shall be equipped with a fixed roof with no holes or openings. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The tank vapors may be introduced into TEOR system S-1703-143 at either the main trunk line, or immediately upstream of the H2S scrubber system. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The VOC content of the gas shall not exceed 10% by weight. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO



DAVID WARNER, Director of Permit Services

S-1703-139-10 - Jan 30 2012 4:50PM - RICKARDK - Joint Inspection NOT Required

6. VOC fugitive emissions from the tank and gas components serving the tank shall not exceed 0.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The tank shall be equipped with a vapor control system consisting of a closed vent system that collects all VOCs from the storage tank, and a VOC control device. The vapor control system shall be APCO-approved and maintained in leak-free condition. The VOC control device shall be either of the following: a vapor return or condensation system that connects to a gas pipeline distribution system, or an approved VOC destruction device that reduces the inlet VOC emissions by at least 95% by weight as determined by the test method specified in Section 6.4.7. [District Rule 4623] Federally Enforceable Through Title V Permit
8. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit
9. A leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit
10. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623] Federally Enforceable Through Title V Permit
11. All piping, fittings, and valves on this tank shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rule 4623] Federally Enforceable Through Title V Permit
12. Operator shall conduct quarterly gas sampling for gas exiting the separator pressure vessel to qualify for exemption from fugitive component counts for components handling fluids with VOC content equal to or less than 10% by weight. If gas samples are equal to or less than 10% VOC by weight for 8 consecutive quarterly samplings, sampling frequency shall only be required annually. [District Rule 2201] Federally Enforceable Through Title V Permit
13. VOC content of gas shall be determined by ASTM D1945, ASTM D1946, EPA Method 18 referenced as methane, or equivalent test method with prior District approval. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date of leak detection, and method of detection; 3) Date and emission level of recheck after leak is repaired. Leaks over 10,000 ppmv shall be reported as a deviation. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-1703-205-0

**ISSUANCE DATE:** 01/30/2012

**LEGAL OWNER OR OPERATOR:** MACPHERSON OIL COMPANY

**MAILING ADDRESS:** PO BOX 5368  
BAKERSFIELD, CA 93388

**LOCATION:** HEAVY OIL CENTRAL STATIONARY SOURCE  
CA

**SECTION:** NW20 **TOWNSHIP:** 28S **RANGE:** 29E

**EQUIPMENT DESCRIPTION:**

1,000 BBL CRUDE OIL STOCK TANK SERVED BY VAPOR CONTROL SYSTEM LISTED ON S-1703-139 (U.S.L LEASE)

### CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Authority to Construct (ATC) S-1703-139-10 shall be implemented prior to or concurrently with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOCs collected from tank shall vent only to vapor control system listed on this permit S-1703-139. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The VOC content of the gas shall not exceed 10% by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
6. VOC fugitive emissions from the tank and gas components serving the tank shall not exceed 0.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The tank shall be equipped with a fixed roof with no holes or openings. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO



DAVID WARNER, Director of Permit Services

S-1703-205-0; Jan 30 2012 4:56PM - RICKARDK : Joint Inspection NOT Required



8. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit
9. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623] Federally Enforceable Through Title V Permit
10. Operator shall conduct quarterly gas sampling for gas exiting the separator pressure vessel to qualify for exemption from fugitive component counts for components handling fluids with VOC content equal to or less than 10% by weight. If gas samples are equal to or less than 10% VOC by weight for 8 consecutive quarterly samplings, sampling frequency shall only be required annually. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Permittee shall conduct true vapor pressure (TVP) testing of the organic liquid stored in this tank at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in this tank in order to maintain exemption from the rule. [District Rule 4623] Federally Enforceable Through Title V Permit
12. Permittee shall submit the records of TVP and API gravity testing to the APCO within 45 days after the date of testing. The records shall include the tank identification number, Permit to Operate number, type of stored organic liquid, TVP and API gravity of the organic liquid, test methods used, and a copy of the test results. [District Rule 4623] Federally Enforceable Through Title V Permit
13. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method). Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623] Federally Enforceable Through Title V Permit
14. For crude oil with an API gravity of 26 degrees or less, the TVP shall be determined using the latest version of the Lawrence Berkeley National Laboratory "test Method for Vapor pressure of Reactive Organic Compounds in Heavy Crude Oil Using Gas Chromatograph", as approved by ARB and EPA. [District Rule 4623] Federally Enforceable Through Title V Permit
15. A leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit
16. The permittee shall keep accurate records of each organic liquid stored in the tank, including its storage temperature, TVP, and API gravity. [District Rule 4623] Federally Enforceable Through Title V Permit
17. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 1070]



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-1703-206-0

**ISSUANCE DATE:** 01/30/2012

**LEGAL OWNER OR OPERATOR:** MACPHERSON OIL COMPANY

**MAILING ADDRESS:** PO BOX 5368  
BAKERSFIELD, CA 93388

**LOCATION:** HEAVY OIL CENTRAL STATIONARY SOURCE  
CA

**SECTION:** NW20 **TOWNSHIP:** 28S **RANGE:** 29E

**EQUIPMENT DESCRIPTION:**

500 BBL SLOP OIL STORAGE TANK SERVED BY VAPOR CONTROL SYSTEM LISTED ON S-1703-139 (U.S.L LEASE)

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Authority to Construct (ATC) S-1703-139-10 shall be implemented prior to or concurrently with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOCs collected from tank shall vent only to vapor control system listed on this permit S-1703-139. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The VOC content of the gas shall not exceed 10% by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
6. VOC fugitive emissions from the tank and gas components serving the tank shall not exceed 0.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The tank shall be equipped with a fixed roof with no holes or openings. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

  
DAVID WARNER, Director of Permit Services  
S-1703-206-0 Jan 30 2012 4:50PM - RICKARDK : Joint Inspection NOT Required

8. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit
9. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623] Federally Enforceable Through Title V Permit
10. Operator shall conduct quarterly gas sampling for gas exiting the separator pressure vessel to qualify for exemption from fugitive component counts for components handling fluids with VOC content equal to or less than 10% by weight. If gas samples are equal to or less than 10% VOC by weight for 8 consecutive quarterly samplings, sampling frequency shall only be required annually. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Permittee shall conduct true vapor pressure (TVP) testing of the organic liquid stored in this tank at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in this tank in order to maintain exemption from the rule. [District Rule 4623] Federally Enforceable Through Title V Permit
12. Permittee shall submit the records of TVP and API gravity testing to the APCO within 45 days after the date of testing. The records shall include the tank identification number, Permit to Operate number, type of stored organic liquid, TVP and API gravity of the organic liquid, test methods used, and a copy of the test results. [District Rule 4623] Federally Enforceable Through Title V Permit
13. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method). Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623] Federally Enforceable Through Title V Permit
14. For crude oil with an API gravity of 26 degrees or less, the TVP shall be determined using the latest version of the Lawrence Berkeley National Laboratory "test Method for Vapor pressure of Reactive Organic Compounds in Heavy Crude Oil Using Gas Chromatograph", as approved by ARB and EPA. [District Rule 4623] Federally Enforceable Through Title V Permit
15. A leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit
16. The permittee shall keep accurate records of each organic liquid stored in the tank, including its storage temperature, TVP, and API gravity. [District Rule 4623] Federally Enforceable Through Title V Permit
17. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 1070]

## AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-1703-207-0

**ISSUANCE DATE:** 01/30/2012

**LEGAL OWNER OR OPERATOR:** MACPHERSON OIL COMPANY

**MAILING ADDRESS:** PO BOX 5368  
BAKERSFIELD, CA 93388

**LOCATION:** HEAVY OIL CENTRAL STATIONARY SOURCE  
CA

**SECTION:** NW20 **TOWNSHIP:** 28S **RANGE:** 29E

**EQUIPMENT DESCRIPTION:**

906 BBL WEMCO DEPURATOR MODEL 120X 1+1 SERVED BY VAPOR CONTROL SYSTEM LISTED ON S-1703-139  
(U.S.L LEASE)

## CONDITIONS

1. This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c). [District Rule 2201] Federally Enforceable Through Title V Permit
2. Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4. [District Rule 2520, 5.3.4] Federally Enforceable Through Title V Permit
3. Authority to Construct (ATC) S-1703-139-10 shall be implemented prior to or concurrently with this ATC. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOCs collected from tank shall vent only to vapor control system listed on this permit S-1703-139. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The VOC content of the gas shall not exceed 10% by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
6. VOC fugitive emissions from the tank and gas components serving the tank shall not exceed 0.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO



DAVID WARNER, Director of Permit Services

S-1703-207-0, Jan 30 2012 4:50PM - RICKARDK : Joint Inspection NOT Required

Southern Regional Office • 34946 Flyover Court • Bakersfield, CA 93308 • (661) 392-5500 • Fax (661) 392-5585

7. The tank shall be equipped with a fixed roof with no holes or openings. [District Rule 2201] Federally Enforceable Through Title V Permit
8. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit
9. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions. [District Rule 4623] Federally Enforceable Through Title V Permit
10. Operator shall conduct quarterly gas sampling for gas exiting the separator pressure vessel to qualify for exemption from fugitive component counts for components handling fluids with VOC content equal to or less than 10% by weight. If gas samples are equal to or less than 10% VOC by weight for 8 consecutive quarterly samplings, sampling frequency shall only be required annually. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Permittee shall conduct true vapor pressure (TVP) testing of the organic liquid stored in this tank at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in this tank in order to maintain exemption from the rule. [District Rule 4623] Federally Enforceable Through Title V Permit
12. Permittee shall submit the records of TVP and API gravity testing to the APCO within 45 days after the date of testing. The records shall include the tank identification number, Permit to Operate number, type of stored organic liquid, TVP and API gravity of the organic liquid, test methods used, and a copy of the test results. [District Rule 4623] Federally Enforceable Through Title V Permit
13. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method). Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products." [District Rule 4623] Federally Enforceable Through Title V Permit
14. For crude oil with an API gravity of 26 degrees or less, the TVP shall be determined using the latest version of the Lawrence Berkeley National Laboratory "test Method for Vapor pressure of Reactive Organic Compounds in Heavy Crude Oil Using Gas Chromatograph", as approved by ARB and EPA. [District Rule 4623] Federally Enforceable Through Title V Permit
15. A leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit
16. The permittee shall keep accurate records of each organic liquid stored in the tank, including its storage temperature, TVP, and API gravity. [District Rule 4623] Federally Enforceable Through Title V Permit
17. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 1070]